

ELIZABETH A GOW, PHD

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Canadian Citizen

PROFESSIONAL EMPLOYMENT AND EDUCATION

- 2018–
Ongoing **Liber Ero Postdoctoral Fellow in Conservation Science**
Department of Integrative Biology
University of Guelph, Guelph, ON
“Assessing the temporal and geographic impact of feral and owned cats on Canadian birds”
- 2016–2018 **National Sciences and Engineering Research Council (NSERC) Postdoctoral Research Fellow in Ecology and Evolution**
Department of Integrative Biology
University of Guelph, Guelph, ON
“Latitudinal variation of migration timing of tree swallows”
- 2014–2016 **Killam Postdoctoral Research Fellow in Ecology**
Faculty of Forestry
University of British Columbia, Vancouver, BC
“Investigating the effects of parental care, extra-pair paternity and early life stressors on survival and life-time reproductive success on end of breeding decisions in song sparrows using a 40 year island study population”
- 2015 **Head Instructor for Forest Wildlife Ecology and Management FRST 395**
Faculty of Forestry
University of British Columbia, Vancouver, BC
- 2014, 2015 **Contract Ecologist**
Environment Canada
Saskatoon, Saskatchewan, Canada
“Site survey of St. Denis Wildlife Area to estimate distribution and abundance of natural tree cavities and animal usage”
- 2014 **Ph.D in Biology**
Advisor: K. Wiebe
Department of Biology
University of Saskatchewan, Saskatoon, SK
“Parental care in northern flickers (*Colaptes auratus*): sex-related patterns of foraging, provisioning, and habitat use”
- 2009 **Lecturer in Ornithology and Wildlife Ecology**
Cruise North Expeditions Inc.,
Canadian East Arctic. (July– August)

- 2009 **M.Sc. in Biology with Distinction in Biology**
 Advisor: B.J.M. Stutchbury
 Department of Biology
 York University, Toronto, ON
 “Carry-over effects in wood thrush, *Hylocichla mustelina*: Linking reproduction to moult”
- 2007 **B.H.Sc with Honours in Kinesiology and Health Sciences (Major) and Biology (Minor)**
 Faculty of Kinesiology and Health Sciences and Department of Biology
 York University, Toronto

PUBLICATIONS, INVITED BLOGS AND R PACKAGES

MANUSCRIPTS IN REVISION OR REVIEW

23. **Gow EA**, L Burke, DW Winkler, SM Knight, DW Bradley, RG Clark, M Bélisle, L Berzins, T Blake, ES Bridge, RD Dawson, PO Dunn, D Garant, G Holroyd, AG Horn, DJT Hussell, O Lansdorp, AJ Laughlin, ML Leonard, F Pelletier, D Shutler, L Siefferman, C Taylor, H Trefry, CM Vleck, D Vleck, LA Whittingham, DR Norris. A range-wide domino effect and resetting of the annual cycle in a migratory songbird.
 In revision: Proceedings of the Royal Society B
22. Knight SM, DW Bradley, RG Clark, **EA Gow**, M Bélisle, L Berzins, T Blake, ES Bridge, RD Dawson, PO Dunn, D Garant, G Holroyd, AG Horn, DJT Hussell, O Lansdorp, AJ Laughlin, ML Leonard, F Pelletier, D Shutler, L Siefferman, C Taylor, H Trefry, CM Vleck, D Vleck, DW Winkler, LA Whittingham, DR Norris. Non-breeding season movements of a migratory songbird are related to declines in resource availability
 In review: The Auk: Ornithological Advances

PEER-REVIEWED PUBLICATIONS

*Equal Contribution

21. Knight SM, DW Bradley, RG Clark, **EA Gow**, M Bélisle, L Berzins, T Blake, ES Bridge, RD Dawson, PO Dunn, D Garant, G Holroyd, AG Horn, DJT Hussell, O Lansdorp, AJ Laughlin, ML Leonard, F Pelletier, D Shutler, L Siefferman, C Taylor, H Trefry, CM Vleck, D Vleck, DW Winkler, LA Whittingham, DR Norris. 2018. Constructing and evaluating a continent-wide migratory songbird network across the annual cycle. *Ecological Monographs* 88:445–460
20. Reid JM, G Bocedi, P Nietlisbach, AB Duthie, ME Wolak, **EA Gow**, P Arcese. 2016. Variation in parent-offspring kinship in socially monogamous systems with extra-pair reproduction and inbreeding. *Evolution* 70:1512–19 DOI: 10.1111/evo.12953
19. **Gow EA**. 2015. Analyzing geolocator data for birds that roost in cavities year-round. *Journal of Field Ornithology* 87:74–83 DOI: 10.1111/jfo.12130
18. **Gow EA**, KL Wiebe, & AB Musgrove. 2015. Nest sanitation in response to short-and long-term manipulations of brood size: males clean more in a sex-role reversed species. *Animal Behaviour* 104:137–143 DOI: 10.1016/j.anbehav.2015.03.2014
- *Press coverage: New York Times, May 25, 2015*
http://www.nytimes.com/2015/05/26/science/natures-waste-management-crews.html?_r=0

17. **Gow EA**, & KL Wiebe. 2015. Northern flicker mates foraging on renewing patches avoid competition not by separate niches but by segregation. Behavioral Ecology and Sociobiology 69:101–108 DOI: 10.1007/s00265-014-1822-8
16. **Gow EA**, KL Wiebe, & J Foxe. 2015. Cavity use throughout the annual cycle of a migratory woodpecker revealed by geolocators. Ibis 157:167–170 DOI: 10.1111/ibi.12206
 - *Promotion via British Ornithologist's Union Blog: <http://www.bou.org.uk/northern-flicker-cavity-use/>*
15. **Gow EA**, & KL Wiebe. 2014. Males migrate farther than females in a differential migrant: an examination of the fasting endurance hypothesis. Royal Society Open Science 1:140346 DOI: 10.1098/rsos.140346
14. **Gow EA**, & KL Wiebe. 2014. Responses by central-place foragers to manipulations of brood size: Parent flickers respond to proximate cues but do not increase work rate. Ethology 120:881–892 DOI: 10.1111/eth.12259
13. **Gow EA**, & KL Wiebe. 2014. Determinants of parental care and offspring survival during the post-fledging period: males care more in a species with partially reversed sex roles. Oecologia 175:95–104 DOI:10.1007/s00442-014-2890-1
12. **Gow EA**, & KL Wiebe. 2014. Survival and habitat selection by fledgling northern flickers in a fragmented forest landscape. Journal of Wildlife Management 78:273–281 DOI:10.1002/jwmg.657
11. **Gow EA**, KL Wiebe, & RJ Higgins. 2013. Lack of diet segregation by male and female northern flickers foraging on ants. Journal of Field Ornithology 84:262–269 DOI:10.1007/s10336-012-0923-2
10. Wiebe KL, & **EA Gow**. 2013. Choice of foraging habitat by northern flickers reflects changes in availability of their ant prey linked to ambient temperature. Ecoscience 20:122–130 DOI:10.2980/20-2-3584
 - *Cover photo of Ecoscience*
9. **Gow EA**, & BJM Stutchbury. 2013. Understanding sex differences in parental effort in a migratory songbird: examining a sex specific tradeoff between reproduction and molt. Condor 115:640–649 DOI:10.1525/cond.2013.120091
8. **Gow EA**, & BJM Stutchbury. 2013. Within-season nesting dispersal and molt dispersal are linked to habitat shifts in a Neotropical migratory songbird. Wilson Journal of Ornithology 125:696–708 DOI:10.1676/13-015.1
 - *Featured in online article by the Nature Conservancy, Sept 28, 2015. <http://blog.nature.org/science/2015/09/28/angry-birds-molting-grumpy-science/>*
7. **Gow EA**, AB Musgrove, & KL Wiebe. 2013. Brood age and size influence sex-specific parental provisioning patterns in a sex-role reversed species. Journal of Ornithology 154:525–535 DOI:10.1007/s10336-012-0923-2
6. **Gow EA**, BJM Stutchbury, TW Done, & TK Kyser. 2012. An examination of stable hydrogen isotope (δD) variation in adult and juvenile feathers from a migratory songbird. Canadian Journal of Zoology 90:585–594 DOI:10.1139/Z2012-024

5. **Gow EA**, & KL Wiebe. 2012. An unusually synchronous double brooding attempt by a northern flicker pair. Wilson Journal Ornithology 124:389–392 DOI:abs/10.1676/11-158.1
4. **Gow EA**, TW Done, & BJM Stutchbury. 2011. Radio-tags have no behavioral or physiological effects on a migratory songbird during breeding and molt. Journal of Field Ornithology 82:193–201 DOI:10.1016/j.ygcen.2011.01.006
3. Stutchbury BJM*, **EA Gow***, TW Done, M MacPherson, JW Fox & V Afanasyev. 2011. Effects of post-breeding moult and energetic condition on timing of songbird migration into the tropics. Proceedings of the Royal Society B. 278:131–137 DOI:10.1098/rspb.2010.1220
 - *Ranked 6/10 of the most cited articles in Proceedings of the Royal Society B for 2011.*
2. Done T, **EA Gow**, & BJM Stutchbury. 2011. Corticosterone stress response and plasma metabolite levels during breeding and molt in a free-living migratory songbird, the wood thrush (*Hylocichla mustelina*). General and Comparative Endocrinology 171:176–182 DOI:10.1016/j.ygcen.2011.01.006
1. Stutchbury BJM, SA Tarof, TW Done, **EA Gow**, PM Kramer, J Tautin, JW Fox, & V Afanasyev. 2009. Tracking long-distance songbird migration by using geolocators. Science 323:896 DOI:10.1126/science.1166664
 - *Press coverage: New York Times, Globe and Mail, Toronto Star, National Post, CBC news, Quirks & Quarks (CBC radio), Discovery Channel, National Geographic, and numerous other media outlets*

EDITED ONLINE BOOK CHAPTERS

1. Evans M*, **EA Gow***, RR Roth, MS Johnson, & TJ Underwood. 2011. Wood Thrush (*Hylocichla mustelina*), The Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; From the Birds of North America Online: <http://bna.birds.cornell.edu/bna/species/246>

NON PEER-REVIEWED PUBLICATIONS/ INVITED BLOGS/ R PACKAGES

6. LaZerte, S., & **Gow EA**. 2018. cavityuse: An R package for detecting cavity use from geolocator data. <https://github.com/steffilazerte/cavityuse/>
5. **Gow EA**. 2018. Studying Interactions between Cats & Birds. Cats and Birds – Keep Cats Safe and Save Bird Lives Blog. <http://catsandbirds.ca/blog/studying-interactions-between-cats-and-birds/#sthash.VrKbQ96L.dpbs>
4. **Gow EA**, NL Michel. 2016. Ornithological Literature: ‘The birds of Costa Rica, a field guide. Wilson Journal of Ornithology 128:210–211
3. **Gow EA**. 2016. Nestlings in the nest: who is your father? Beaty Biodiversity Museum Blog. <http://beatymuseum.ubc.ca/2016/04/26/nestlings-in-the-nest-who-is-your-father/>
2. **Gow EA**, RR Germain, J Krippel, & P Arcese. 2015. Recent Literature: “Climate change and birds: Impacts and Conservation Responses”. Journal of Field Ornithology 86:84–88 DOI: 10.1111/jofo.12092
1. **Gow EA**. 2014. A home away from home: flickers use cavities all year. British Ornithological Union blog (www.bou.org.uk/blog). Promotion of paper published in Ibis (# 19).

MANUSCRIPTS IN PREPARATION (scheduled for submission by February 2019):

Gow EA, JM Reid, RJ Sardell, P Arcese. Males feed more to related and inbred young, an examination of kin and parental investment theory in a genetically polyandrous, inbred population. Proceedings of the Royal Society B *in prep*

Lupton E, DR Norris, **EA Gow**. Co-occupancy of raccoons and domestic cats in an urban landscape. Biological Conservation *in prep*

Shiffman D, SJ Bittick, S Colla, K Dunmall, **EA Gow**, J Provencher. Content analysis of shark conservation media coverage suggests bias contributing to public misunderstanding. Conservation Biology *in prep*

FUNDING AND AWARDS (note: all funds in CAD unless specified)**GRANTS**

- In Prep.* - *Kenneth M Molson Foundation Research Grant*: “Assessing spatio-temporal impacts of feral and owned cats on Canadian birds” (with Ryan D. Norris, Tyler Flockhart, and Ted Cheskey, submission September 2018)
- Unsuccessful* - *National Geographic – Conservation Technologies Grant*: “Assessing spatio-temporal impacts of feral and owned cats on Canadian birds” (with Ryan D. Norris, Tyler Flockhart, Ted Cheskey, Doug Tozer, and Jason Coe, submitted April 2018)
- 2018 - *Young Professional Travel Funds*, Society of Canadian Ornithologists (\$200)
- 2018–2020 - *Liber Ero Research Fund* (\$30,000): “Assessing the temporal and geographic impact of feral and owned cats on Canadian birds”
- 2014–2016 - *Killiam Postdoctoral Research Fund* (\$5000.00): “Investigating the effects of parental care, extra-pair paternity and early life stressors on survival and life-time reproductive success on end of breeding decisions in song sparrows using a 40 year island study population”
- 2016 - *Postdoctoral Travel Fund*, Association of Field Ornithologists (\$410 USD)
- 2016 - *Postdoctoral Travel Fund*, University of British Columbia (\$500)
- 2010–2014 - *Kenneth Molson Foundation Research Grant* (\$34,800): “Parental care in northern flickers: sex-related patterns of foraging, provisioning, and habitat use” (with Karen Wiebe)
- 2014 - *Student Travel Award Fund*, International Ornithological Congress (\$1,080)
- 2013 - *Gary Bortolotti Award*, Department of Biology, University of Saskatchewan (\$1,000)
- 2012 - *Jan Smith Award/Grant*, Department of Biology, University of Saskatchewan, (2,000)
- 2012 - *Society of Canadian Ornithologists*, Taverner Award (\$1,500)
- 2009 - *Student Travel Fund*, Wilson Ornithological Society (\$300 USD)
- 2008 - *York University Field Work Costs Fund* (\$750)

2008 - CUPE 3903 Research Costs Fund (\$300)

2007 - York University Field Work Costs Fund (\$750)

2007 - CUPE 3903 Research Costs Fund (\$300)

SCHOLARSHIPS AND FELLOWSHIPS

2018–
Ongoing - Liber Ero Postdoctoral Fellowship (\$60,000/y)

- *Awarded to 4 exceptional post-doctoral researchers per year doing research on pressing conservation issues*

2016–2018 - National Sciences and Engineering Research Council (NSERC) Postdoctoral Fellowship (\$45,000/y)

- *Ranked 3 of 48 in Committee 169 (Scholarships and Fellowships Selection Committee for Evolution and Ecology)*

2014 - Killam Postdoctoral Research Fellowship (\$50,000/y)

- *Awarded to 3 individuals per year at the University of British Columbia for excellence in research and leadership attributes*

2011 - NSERC Alexander Graham Bell Canada Graduate Scholarship (\$35,000/y)

2011 - University of Saskatchewan Graduate Scholarship (\$20,000) – *declined*

2010 - Isabel María López Martínez Memorial Scholarship, University of Saskatchewan (\$20,000)

ACADEMIC ACCOLADES

2016 - *Elected Member* of the American Ornithological Society. Elected based on significant contributions to ornithology.

2015 - *Young Professional Award* from the Cooper Ornithological Society
For outstanding early-career contributions to ornithology

PUBLIC ACCOLADES

2015 - *Winner of the Way Cool Seminar Series*, Beaty Biodiversity Museum, Vancouver BC, 'Way Coolest Talk of 2015' (*out of 12 talks*)

TEACHING AND COMMUNICATION

COURSES

2015 **Head Instructor**, Forest and Wildlife Ecology (FRST 395), University of British Columbia, Faculty of Forestry

2010–2013 **Teaching Assistant**, Dept. of Biology, University of Saskatchewan, Saskatoon, SK
- 2 x Ornithology, BIOL 458; 2 x Animal Body Systems (physiology), BIOL 224;
Diversity of Life (Intro) BIOL 121

2008–2009 **Teaching Assistant**, Dept. of Biology, York University, Toronto, ON
- 2 x Birds and the Environment, BIOL 4250; 2 x Biology of Sex, NATS 1660; 2 x Plants, BIOL 2030

SUPERVISION

- 2018 *Emily Lupton*, Undergraduate honour's thesis student, University of Guelph
- 2016 *Marika van Reeuyk*, Undergraduate directed studies student, University of British Columbia, BC
- 2010–2014 *Midori Matsuzaki, Marika van der Poole, Bryony Griffiths, Helen Handbridge, and John Allsop*, Undergraduate field technicians, University of Saskatchewan, SK
- 2007–2009 *Callie Stanley, Ross Kresnick, Maggie MacPherson, Sheryl Santos, and Teresa Piraino*, Undergraduate field technicians, York University, ON

PROFESSIONAL TRAINING

- Apr 2018 Science and media communication. Liber Ero Retreat 7 days. Banff, AB

REFERRE

American Naturalist, Animal Behaviour, Auk: Ornithological Advances, Avian Conservation and Ecology, Bird Study, Canadian Journal of Zoology, Current Zoology, Ecology and Evolution, Ecosphere, Emu, Environmental Science and Technology Letters, Ethology, Functional Ecology, Ibis, Journal of Avian Biology, Journal of Field Ornithology, Journal of Ornithology, Northeastern Naturalist, Oecologia, Proceedings of the Royal Society B, Systematics and Biodiversity, Wilson Journal of Ornithology

INVITED PLENARIES

- 2015 **Gow EA**, Sex differences in parental care: Who cares? Invited Plenary, American Ornithologist Union and Cooper Ornithology Society Annual Meeting, Norman, OK, USA.

INVITED SYMPOSIUM PRESENTATIONS

- 2018 Gow EA*. The ecology and evolution of a behavioural conservation ecologist: Studying birds across the annual cycle. American Ornithological Society, Tucson, AZ, USA.
- 2016 **Gow EA***. Introduction to the symposium: "Identifying unifying factors driving bird population declines: are life history traits all that matter?". North American Ornithological Conference, Washington, DC, USA.
- 2014 **Gow EA***. Tracking northern flickers throughout the annual cycle: linking parental effort to migration. Cooper Ornithological Society/ American Ornithologists' Union/ Society of Canadian Ornithologists annual meeting, Estes Park, CO, USA.

PROFESSIONAL CONFERENCE PRESENTATIONS [*Presenter]

- 2018 **Gow EA***, L Burke, DW Winkler, SM Knight, DW Bradley, RG Clark, M Bélisle, L Berzins, T Blake, ES Bridge, RD Dawson, PO Dunn, D Garant, G Holroyd, AG Horn, DJT Hussell, O Lansdorp, AJ Laughlin, ML Leonard, F Pelletier, D Shutler, L Siefferman, C Taylor, H Trefry, CM Vleck, D Vleck, LA Whittingham, DR Norris. A range-wide domino effect and resetting of the annual cycle in a migratory songbird. Oral presentation. International Ornithological Congress, Vancouver, BC.
- 2018 LaZerte, SE*, **EA Gow**. Cavityuse: An R package for detecting cavity use from geolocator data. Oral presentation. International Society for Behavioral Ecology, Minneapolis, MN.
- 2018 **Gow EA***, L Burke, DW Winkler, SM Knight, DW Bradley, RG Clark, M Bélisle, L Berzins, T Blake, ES Bridge, RD Dawson, PO Dunn, D Garant, G Holroyd, AG Horn, DJT Hussell, O Lansdorp, AJ Laughlin, ML Leonard, F Pelletier, D Shutler, L Siefferman, C Taylor, H

- Trefry, CM Vleck, D Vleck, LA Whittingham, DR Norris. Migration distance indirectly carries over to impact the number of young fledged in some but not all populations of tree swallows. Oral presentation. American Ornithological Society, Tucson, AZ, USA.
- 2017 **Gow EA***, Knight SM, DW Bradley, RG Clark, M Bélisle, L Berzins, T Blake, ES Bridge, RD Dawson, PO Dunn, D Garant, G Holroyd, AG Horn, DJT Hussell, O Lansdorp, AJ Laughlin, ML Leonard, F Pelletier, D Shutler, L Siefferman, C Taylor, H Trefry, CM Vleck, D Vleck, DW Winkler, LA Whittingham, DR Norris. Latitudinal variation in range wide timing of the annual cycle of tree swallows *Tachycineta bicolor* from 12 breeding populations. Oral presentation American Ornithological Society/Society of Canadian Ornithology annual meeting, East Lansing, MI, USA
- 2016 **Gow EA***, JM Reid & P Arcese. Parental feeding effort in relation to extra-pair mating and inbreeding: insights from a genetic pedigreed island population of song sparrows. Oral presentation. North American Ornithological Conference, Washington, DC, USA.
- 2015 **Gow EA***, RJ Sardell, JM Reid, & P Arcese. The influence of parental care on offspring condition and recruitment using a long-term dataset of an island population of song sparrows. Oral presentation. The Wildlife Society annual meeting, Winnipeg, MB, Canada.
- 2015 **Gow EA***, R Schuster & P Arcese. Occurrence of olive-sided flycatchers (*Contopus cooperi*) in relation to habitat in the Coastal Douglas Fir Forest Region of British Columbia, Canada: Do species-specific habitat co-variables matter? Poster presentation. Society of Canadian Ornithologists/Wilson Ornithological Society/ American Field Ornithologists annual meeting. Wolfville, NS, Canada.
- 2015 **Gow EA***, RJ Sardell, JM Reid, & P Arcese. Male feeding effort to nests with extra-pair young and impacts on nestling condition. Oral presentation. The Canadian Section of the Wildlife Society annual meeting, Saskatoon, SK, Canada.
- 2014 **Gow EA***, & KL Wiebe. The influence of extrinsic factors on migratory timing and reproduction in a differential migrant. Oral presentation, Cooper Ornithological Society/ American Ornithologists' Union/ Society of Canadian Ornithologists annual meeting, Estes Park, CO, USA.
- 2014 **Gow EA***, & KL Wiebe. Cavity use and movements throughout the annual cycle of a migratory woodpecker. Poster presentation, International Ornithological Congress, Tokyo, Japan.
- 2013 **Gow EA***, & KL Wiebe. Is parental care during the nestling period fixed or flexible: a brood size experiment in a woodpecker with partially reversed sex roles. Oral Presentation, Society of Canadian Ornithologist annual meeting, Winnipeg, MB, Canada.
- 2013 **Gow EA**, & KL Wiebe*. Male northern flickers invest more in offspring than females. Woodpeckers in a Changing World, International Conference, Poster presentation, Vitoria-Gasteiz, Spain.
- 2012 **Gow EA**, AB Musgrove*, & KL Wiebe. Offspring demand influences sex-specific parental provisioning in the northern flicker (*Colaptes auratus*). Poster presentation. North American Ornithological Conference, Poster presentation, Vancouver, BC, Canada.

- 2012 **Gow EA***, & KL Wiebe. Length of parental care of male and female northern flickers during the post-fledging period. North American Ornithological Conference, Oral presentation, Vancouver, BC, Canada.
- 2011 **Gow EA***, & KL Wiebe. Female northern flickers increase parental care but males don't during temporary brood enlargements. American Field Ornithologists/ Cooper Ornithological Society/ Wilson Ornithological Society annual meeting, Oral Presentation, Kearney, NE, USA.
- 2011 McKinnon EA*, KC Fraser, **EA Gow**, M MacPherson, C Stanley, TK Kyser, & BJM Stutchbury. Geolocators and stable-hydrogen isotope analysis reveal the influence of reproductive success and moult on autumn migration strategy in a songbird. European Ornithologists' Union annual meeting, Oral Presentation, Riga, Latvia.
- 2010 Stutchbury BJM*, **EA Gow**, T Done, & M MacPherson. Physiological condition during molt affects pace of migration in a Neotropical migrant. Cooper Ornithological Society/ American Ornithologists' Union/ Society of Canadian Ornithologists annual meeting, Oral Presentation, San Diego, CA, USA.
- 2010 **Gow EA***, T Done, TK Kyser, & BJM Stutchbury. Carry-over effects of double brooding into moult and migration in a migratory songbird. Cooper Ornithological Society/ American Ornithologists' Union/ Society of Canadian Ornithologists annual meeting, Oral Presentation, San Diego, CA, USA.
- 2009 Stutchbury BJM*, **EA Gow**, T Done, M MacPherson, SA Tarof, J Tautin, J Fox, & V Afanasyev. Carry-over Effects: Reproductive Effort, Molt & Migration. American Ornithologists' Union annual meeting, Oral Presentation, Philadelphia, PA, USA.
- 2009 **Gow EA***, BJM Stutchbury, & TK Kyser. Evaluating a moult-migration tactic in wood thrush, *Hylocichla mustelina*. Wilson Ornithological Society/ American Field Ornithologists annual meeting, Oral Presentation, Pittsburgh, PA, USA.
- 2008 **Gow EA***, & BJM Stutchbury. The causes and consequences of double brooding in the wood thrush. American Ornithologists' Union annual meeting, Oral Presentation, Portland, OR, USA.
- 2008 Stutchbury BJM*, SA Tarof, **EA Gow**, T Done, PM Kramer, J Tautin, JW Fox, & V Afanasyev. Tracking long-distance songbird migration by using geolocators. Oral presentation. American Ornithologists' Union annual meeting, Oral Presentation, Portland, OR, USA.

INVITED ACADEMIC ORAL PRESENTATIONS

- 2016 **Gow EA**, KL Wiebe. A multifaceted approach to examining parental effort and life-history trade-offs. University of Aberdeen, Aberdeen, Scotland, UK
- 2015 **Gow EA**, Spatial and temporal patterns of foraging and post-breeding ecology of northern flickers. Environment Canada/ Canadian Wildlife Service, Delta, BC.
- 2015 **Gow EA**, Sex related patterns of foraging and parental care across two bird species. Biodiversity Lunchtime Internal Seminar Series, University of British Columbia, Vancouver, BC.

- 2014 **Gow EA**, Life history of northern flickers: a journey through the annual cycle. Department of Forest and Conservation Sciences, University of British Columbia, Vancouver, BC.
- 2014 **Gow EA**, Using geolocators to track migration and the frequency of use of cavities during the non-breeding period in Northern Flickers. WildEcol Seminar Series, School of Environment and Sustainability, University of Saskatchewan, Saskatoon, SK.

INVITED PUBLIC ORAL PRESENTATIONS

- 2015 **Gow EA**, Northern flickers are way cool! Way Cool Seminar Series, Beaty Biodiversity Museum. *Winner of best presentation in 2015*
- 2009 **Gow EA**, Arctic Animals. Martello School, grades 1–3. Kingston, ON.
- 2008 **Gow EA**, The Beauty of Canada’s Arctic. West Humber Field Naturalists, Kleinburg, ON.

EMPLOYMENT AND SERVICE

RELEVANT RESEARCH EXPERIENCE

- 2009 **Volunteer Field Assistant** for York University study on Red-throated Ant Tanagers (*Habia fuscicauda*) at Smithsonian Tropical Research Institute, Gamboa, Panama.
- 2007–2009 **Head Bird Bander** for York University Banding Station.
The banding station was part of an initiative to educate Toronto residents and the York University community about birds.
- 2007–2009 **Study skin preparation and study skin collection maintenance** for York University avian specimen collection.
- 2006 **Field Assistant** at Queen’s University for study on migratory connectivity and sexual selection in American Redstarts (*Setophaga ruticilla*).
- 2005 **Field Assistant** at York University for study on sexual selection in Hooded Warblers (*Setophaga citrina*).

CONTRIBUTIONS TO THE PROMOTION OF SCIENCE AND COMMUNITY OUTREACH

- 2018 “Northern Flicker”, in *Migration Songs Chapbook* pairing early career researchers with world renowned poets as part of the International Ornithological Congress and the International Vancouver Bird Festival.
- 2018 “How you can help scientists spy on wildlife in hard-to-reach places.” – CBC reports on citizen science (<http://www.cbc.ca/news/technology/citizen-science-wildlife-populations-1.4764638>) and Featured on CBC radio: The Weekend Edition
- 2015–2016 **Panelist**: Discussion and question and answer period about bird conservation following showings of an award winning film on songbird conservation, “The Messenger”. (Norman, OK; Victoria, BC; Vancouver, BC; and Guelph, ON)
- 2012 **Volunteer**: North American Ornithological Conference, UBC, Vancouver, BC. Organizing delegate handbooks, and working at the information and registration booth.
- 2012 **Judge**: Saskatoon Regional Science Fair

- 2012 **Presenter:** Bioscan Science Fair, University of Saskatchewan science fair for the community
- 2008 & 2009 **Organizer annual symposium:** Association for Graduate Students in Biology Sciences, York University
- 2008 **CBC radio 1: The Current.** Migratory Birds in Toronto with Dr. Bridget Stutchbury.

PROFESSIONAL SERVICE

- 2018–
ongoing **Member** of Scientific and Technical Advisory Committee: Nature Canada's Keep cats safe save bird lives campaign.
- 2018–
ongoing **Member** Birds of North America Liaison Committee
- 2016–
ongoing **Member** of American Ornithological Society Young Professional Awards Committee Member
- 2014–2017 **Judge:** Student presentations at American Ornithologists Union annual meeting (2014), North American Ornithological Conference (2016), American Ornithologist Society annual meeting (2017)
- 2015–2016 **Symposium organizer:** 'Identifying unifying factors driving bird population declines: are life history traits all that matter?'; North American Ornithological Conference, *Full Day Symposium*, August 2016
- 2014 **Vice President (elected)** of the Saskatchewan Chapter of the Wildlife Society
- 2013 **Student Representative (elected)** of the Saskatchewan Chapter of the Wildlife Society
-